

ABSTRACT OF THE DISCLOSURE

A liquid crystal display (LCD) exhibiting enhanced optical viewing performance. In a preferred embodiment, the LCD comprises a liquid crystal display panel, the liquid crystal display panel comprising a pair of transparent substrates, liquid crystal material sandwiched between the transparent substrates and transparent electrodes positioned between the liquid crystal material and the transparent substrates. The LCD also comprises a rear polarizer assembly comprising a compensation film, a polarizer mounted on the rear surface of the compensation film, and a first index-matched, pressure sensitive adhesive (PSA) mounted on the front surface of the compensation film, the PSA being adhered to the rear surface of the LCD panel. The LCD also comprises a front polarizer assembly, the front polarizer assembly comprising a front polarizer, a compensation film mounted on the rear surface of the front polarizer and an index-matched PSA mounted on the front surface of the front polarizer. The front polarizer is crossed relative to the rear polarizer. The front polarizer assembly may be adhered to the front of the LCD panel with a second index-matched, optical bonding material or may be spaced therefrom by an air gap. A transparent cover is mounted on the second index-matched PSA. The transparent cover is preferably a plastic plate. The plastic plate may be textured to reduce glare or may have an anti-reflection coating or an anti-reflection film applied to the front surface thereof. Instead of a plastic plate, the transparent cover may be a glass plate or a touch panel.